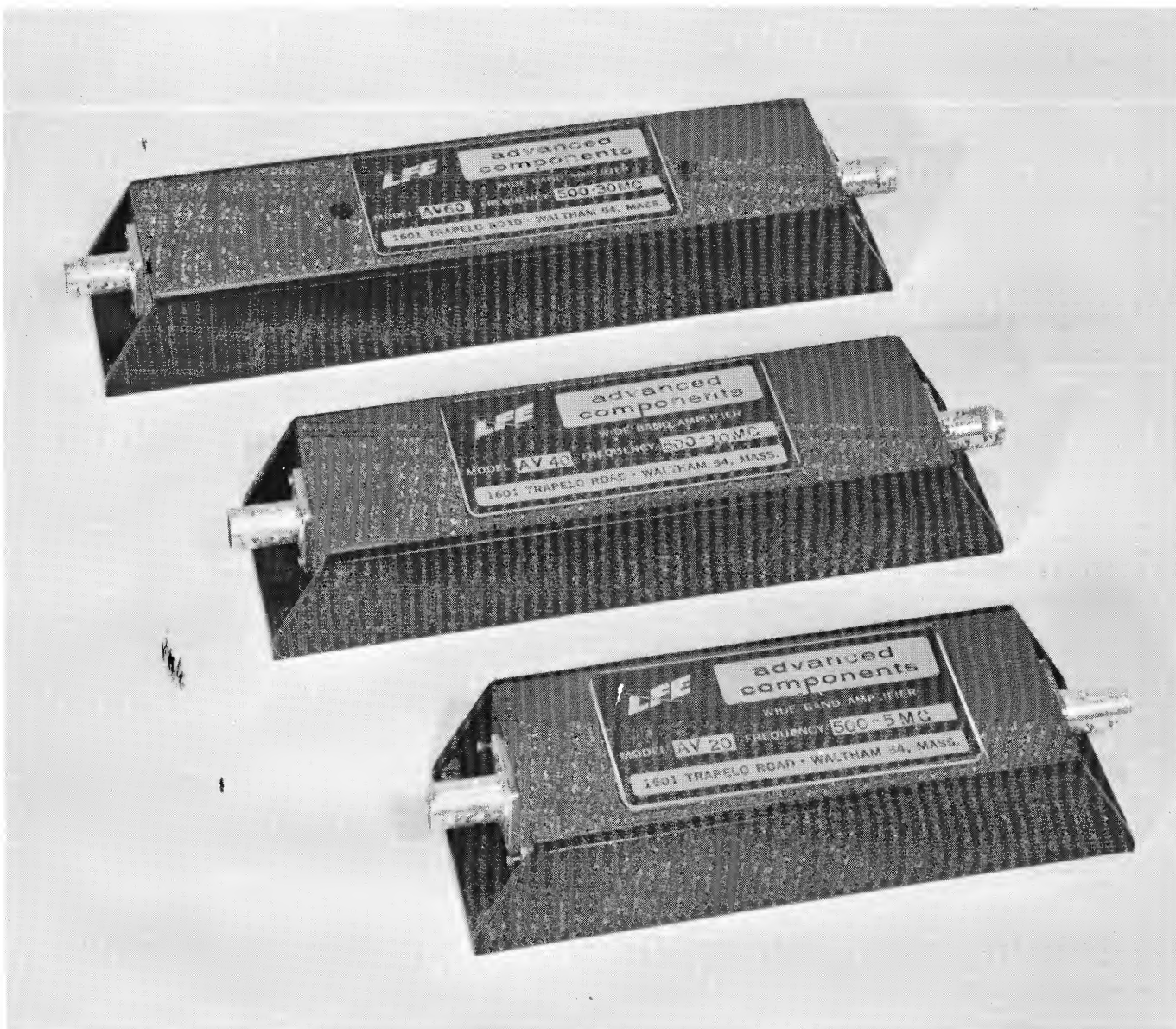




Wide Band Amplifiers

LFE
advanced
components

LFE ELECTRONICS

A DIVISION OF LABORATORY FOR ELECTRONICS, INC.

1601 TRAPELO ROAD • WALTHAM 54, MASSACHUSETTS

WIDE BAND AMPLIFIERS

These amplifiers feature high gain, fast rise time, wide frequency range, low power requirements, and solid state circuitry. They are versatile and economical to purchase and use.

The AV20, AV40 and AV60 Series amplifiers are designed for use in digital memory systems using ultrasonic delay lines as memory elements. However, they can be used in a wide range of pulse, video, audio and high frequency applications where high signal reproduction quality and high output voltage are required. Outstanding features include transistorized circuits, wide band response, high gain and high output.

SPECIFICATIONS

<u>Model</u>	<u>AV20</u>	<u>AV40</u>	<u>AV60</u>
Gain	60	60	60
Bandwidth	500 cps to 5 MC	500 cps to 10 Mc	500 cps to 30 Mc
Output Level	1V RMS	1V RMS	.8 RMS
Input Impedance	900 ohms	1000 ohms	1000 ohms
Output Impedance	200 ohms	200 ohms	100 ohms
Noise (Referred to Input)	5 microvolts	7 microvolts	10 microvolts
Connectors	BNC	BNC	BNC
Power Required	+12 vdc @ 30 ma	+12 vdc @ 50 ma	+12 vdc @ 60 ma
Size (inches)	5-5/8 × 2 × 1	6-3/4 × 2 × 1	7-3/4 × 2 × 1
Operating Temperature	-50°C to +55°C	-50°C to +55°C	-50°C to +55°C

Custom designs are available for special applications.